

INDEX TO VOLUME III.—AMERICAN BEE JOURNAL.

- A season among Italian bees, 1
 Agency of insects in fertilizing plants, 22, 197
 Albinos among Bees, 68
 Allen's Patent Hive, 17, 55, 67, 69, 107
 Alsattus, Prof., A. P. A. A. M., 54, 97
 Alsike Clover, 98, 151, 180, 215
 Amount of honey in a field, 210
 American Bee Plant, 50, 71.
 Another Bee Plant, 78 [106
 Another Exception, 11
 Another Singular Case, 172
 Answers to Questions, 167, 198, 217.
 Apistical Budget, 71
 Are Patent Hives selfish Monopolies? 219. [239
 Answer to a Correspondent,
 Artificial colonies, 221, 240
 Artificial comb guides, 219
 Artificial swarming, 63
 Associations of Bee-keepers, 59, 100, 127, 179 [119, 135
 Aster ericoides, as a bee plant,
 Attacks on Queens, 128
 Banishment of Bees, 197
 Bee-culture in Chili, 64
 Bee-culture, remarks and observations, 165
 Bee-bob, 27, 59, 230
 Bee Enter, 40
 Bee Feed, 12
 Bee Feeders, 200, 215
 Bee Hives, 17, 55, 60, 67, 69,
 Bee House, 7, 155 [96
 Bee Hunting, 8, 175, 208
 Bee Pasturage, 29 [212
 Bee-keeping, 45, 79, 108, 134,
 Bee keeping in California, 140
 Bee-keeping in Germany, 32
 Bee-keeping in the Ukraine, 113
 Bee-keeping in Virginia, 139
 Bee Tree, how to cut, 151
 Bees and Fruit Blossoms, 177, 232 [199
 Bees breeding without water,
 Bees, hermaphrodite, 151
 Bees in cliffs, 176
 Bees in hollow trees, 175
 Bees, Italian, 1, 31, 58, 75, 79, 89, 160, 214
 Bees, reproduction of, 73
 Beeswax, source and nature of,
 Beginners, advice to, 43 [13
 Best form of hives, 186
 Bidens chrysanthemoides, 78
 Bleaching wax, 25, 61
 Breathing test, 51
 Birch bark hive, 96
 Buckwheat in poor soil, 196
 Building combs, 114
 Bur-Marigold, 78
 Burying bees, 12
 Butterfly, stinging, 128
 California, bees in, 132 [199
 Can bees breed without water?
 Can Italian bees be improved?
 Carder bee, 66 [108
 Carpenter bee, 68
 Cedar plank bee house, 155
 Cells incline upward, 117
 Cellars, wintering bees in, 180,
 Centre passages, 206 [192
 Change of progeny, 194
 Chi kory as a bee plant, 136
 Chili, bee-culture in, 64
 Classifying honey, 32
 Clean comb for guides, 112
 Cleome integrifolia, 50, 220
 Closed or open top hives, 234
 Clover, red, and Italian bees, 75, 138, 154, 159, 160, 191,
 Color of queens, 214 [240
 Common failures, 132
 Contribution to bee-culture, 41
 Correspondence, 57, 37, 39, 79, 93, 158
 Crippled bees, 236
 Criticism, 188
 Crops for bee pasturage, 151
 Crystallization of honey, 92
 Curious instances of swarming,
 Damage from mice, 5 [167
 Delayed fecundation, 5, 56
 Deep Langstroth hives, 149
 Depth of hives, 149, 205
 Destroying brood, 28
 Development of Italian work-
 Diseases of bees, 152 [ers, 87
 Do bees know their owner? 35
 Docility of Italian bees, 30
 Doubling second swarms, 40
 Drones, 108
 Drone comb, 40
 Drone eggs, 4
 Drones, purity of, 109
 Economy of the bee-hive, 207
 Editorial, 17, 38, 57, 77, 97, 118, 135, 157, 177, 178, 197, 215, 237
 Eggs, not hatchable, 218, 237
 Egyptian bees, 114, 169
 Empty combs, preservation of,
 Esparsette, 166 [120
 European bee-culture, 70
 Evaporating nectar, 172
 Every one his due, 186
 Exception, another, 11
 Explanat on, 191
 Explanation desired, 200
 Experience of a Novice, 23, 53, 65, 98, 119, 129, 158
 Experience in Italianizing, 174, 190, 231
 Experience in wintering bees,
 Experiments, 91 [155
 Extra queens, 43, 168
 Eyes of bees, 18
 Facts about the honey bee, 18
 Fecundation delayed, 5, 56
 Feeding bees, 42
 Fertile workers, 163, 240
 Fertility of queens, 214
 Fertilizing plants, 22, 197, 232
 Fixed frames, 118, 191
 Flanders' apiary, 76
 Flowers, honey-yielding, 33
 Force of stocks, 154
 Form of hives, 186, 217
 Foulbrood, 75, 80, 141, 161, 170, 198, 216, 231,
 Frames closed or open top, 234
 Fun among bees, 112
 Furnished hives, 37, 73
 Gaseous theory of honey comb formation, 31
 Germany, bee-keeping in, 32
 Give every one his due, 186
 Handling bees, 206
 Harrison's bee feeder, 215
 Height of hives, 236
 Hive, well ventilated, 26
 Hives, 80, 96, 179, 184, 220, 239
 Hives, patent, and claims, 235
 Hives and management, 203
 Hives, side opening, 110, 148
 Honey, 55, 76
 Honey dews, 176
 Honey, how to judge of it, 76
 Honey bee, facts about, 18
 Honey bee, Liberian, 20
 Honey classified, 16
 Honey comb emptying ma-
 Honey Guide, 50 [chine, 189
 Honey in the field, 240,
 Honey plant, 24
 Honey-pot vs. Milkpan, 237
 Honey Ratel, 111, 157
 Honey supply for winter, 16
 Honey-yielding flowers, 33
 How about pure Italians? 129
 How I became an apicultur-
 ist, 171, 193, 239
 Improved breed of bees, 185
 Inquiry, 188
 Interference of common
 drones, 170
 Introducing queens, 6, 40, 49, 72, 210.
 Italian bee-breeding, 128
 Italian bee question, 138
 Italian bees, 1, 31, 53, 75, 79, 89, 160, 214
 Italian bees in their natural
 home, 93, 170
 Italian bees, profits of, 117
 Italian bees, purity of, 19, 51
 Italian bees and red clover, 75, 80, 92, 137, 154, 159, 160, 191,
 Italian queens, 126 [240
 Italianizing, 40, 56, 110, 159

INDEX.

- Italian workers, develop-
ment of 87
- Items, various, 149
- Kentucky Bee-keepers' Asso-
ciation, 127
- King birds, 44 [215]
- Köhler's discovery, 178, 198,
- Langstroth hive, 149, 236
- Langstroth's patent, 219, 238
- Landois, new theory, 38, 43
- Liberian honey bee, 20
- Life of a worker bee, 168
- Long search, 174
- Luck in bee-keeping, 108
- Make of hives, 239
- Management of artificial colo-
nies, 149
- Maple trees, 160
- Markings of Italian workers,
- Matters, various, 149 [58]
- Mead, 8 [cipe, 11]
- Mead, Queen Elizabeth's Re-
melilot clover, 17, 24, 100, 166,
- Merops apiaster, 40 [223]
- Mice, 5
- Milkpan vs. Honey-pot, 237
- Mishaps, 5
- Mona's apiary, 1
- More light, 211
- More questions, 232
- More seeming puzzles, 112
- Moths, 103
- Moths' eggs, 12
- Movable sides and ends, 58
- Mouldy combs, 195
- Mount Ida honey, 55
- Mullein tops for bee-bobs, 27,
59, 230
- Multiplication of stocks, 44
- Mustard plant for bee pastur-
age, 166, 217
- Narbonne honey, 55
- New kind of bee-bob, 230
- New theory by Dr. Landois,
38, 43 [147]
- New theory, R. Bickford's,
- Northwestern Bee-keepers'
Association, 59, 100
- Nucleus colonies, 43, 63, 92
- Numerical force of stocks, 154
- Oat meal for bee feed, 173
- Objections answered, 216
- Objections to fixed frames con-
sidered, 191
- Observations and remarks, 165
- Occurrence, singular, 5
- Old Italian bee, 72
- Open top or closed frames, 234
- Overstocking, 90
- Painted surfaces, 132, 167
- Parent stock, to find, 188
- Paris Exposition, 57
- Pasturage, 19, 151, 166
- Parthenogenesis, 81, 101, 121
- Patent hives, 120, 157, 219,
235, 238
- Patent monopolies, 238
- Personal observations, 218
- Points considered, 92
- Poisonous honey, 55, 124, 170
- Polanisia purpurea, 71, 220
- Popular whims, 16 [221]
- Practical bee-culture, 181, 201,
- Preservation of combs, 37, 38,
- Probabilities, 233 [120]
- Producing fertile workers, 163,
229
- Productiveness of Italian
bees, 92
- Profits of bee-keeping, 134
- Profits of Italian bees, 117
- Profitable apiary, 99, 152, 205
- Proposals wanted, 73, 130
- Purity of drones, 109
- Purity of Italian bees, 19, 30,
34, 49, 51, 60, 90, 129, 133
- Queen cell, side-opened, 49
- Queen Elizabeth's Recipe for
Mead, 11
- Queens, fertile, 221
- Queens, introducing, 6, 40,
48, 72, 210
- Queen raising, 12, 63
- Queens, reserve, 43, 168
- Queens, saving, 50
- Queens, superseding, 92
- Queens, two in one hive, 25,
- Query, 154 [112, 158]
- Questions and answers, 12,
28, 86, 152, 167, 180, 212,
217 [137]
- Raising queen bees, 63, 71,
- Ratel, 111 [153]
- Receptacles for surplus honey,
- Reconnoiterers, 18, 211, 212
- Red clover and Italian bees,
75, 80, 92, 137, 154, 159, 160,
191, 240
- Regicidal attacks, 128
- Remarks and suggestions, 213
- Remarks on a reply, 231
- Reply to "more seeming puz-
zles," 158
- Reply to question, 28
- Reproduction of bees, 73
- Requisites of a good hive, 217
- Reserve queens, 43, 168
- Robbing bees, 165
- Room for surplus honey, 206
- Sainfoin, 166
- Saving queens, 50
- Scientific bee-culture, 53
- Scouts, 18, 211, 212
- Second swarms, doubling, 40
- Seeming puzzles, 112
- Sending queens by mail, 199
- Shallow hives, 220
- Side-opening hives, 77, 110,
149 [172]
- Singular cases, 50, 68, 78, 154,
- Singular occurrence, 154
- Size of hives, 179, 184 [64]
- Smoke of linen or cotton rags,
- Smoke of rotten wood, 20
- Snails and slugs, 18
- Solution of a query, 212
- Spider and Bee, 238
- Spring feed for bees, 173
- Statistics, 62, 70 [113, 128]
- Straight combs, 12, 40, 55, 93,
- Strange occurrence, 111
- Storing honey, 114 [153]
- Success in bee-keeping, 79,
- Success with Italian bees, 160
- Summer feeding bees, 111
- Superseding queens, 92, 168
- Surfaces, painted, 132, 167
- Surplus honey boxes, room
for, 206
- Surplus honey, 54, 150
- Surplus honey receptacles, 152
- Swarm settles on a hat, 63
- Swarms deserting brood, 78
- Swarming, curious instances
of, 166, 211
- Systems, combining, 7
- Transferring bees, 39
- Transferring combs, 238
- Temper of Bees, 196
- Tenacity of life, 70
- Test of purity, 51
- That discovery, 200
- Theories, new, 38, 43, 147
- Theses on bee-culture, 59
- Trebzond honey, 55, 134
- True parthenogenesis in bees,
81, 101, 121 [158]
- Two fertile queens in a hive,
- Ukraine, bee-keeping in the,
- Uniting bees, 71, 99, 139 [113]
- Upward ventilation, 169, 218,
228, 235
- Use of a wasp's nest, 212
- Various items, 131
- Various matters, 149
- Varronian Theory, 144, 199
- Vegetable wax, 62
- Ventilated hive, 26
- Ventilation and watering, 192
- Ventilation, upward, 169, 216
- Ventilating bee hives, 26, 187,
- Vexed questions, 186 [22]
- Virginia, bee-keeping in, 137
- Viverra mellivora, 111
- Voluntary contractility, 115,
- Wanted, 200 [144, 158]
- Want of air, 228
- Wasp's nest, 212
- Wasting wax, 80
- Water for bees, 169
- Watering and ventilating, 192
- Wax, 61 [13]
- Wax, its source and nature,
- Wax-secreting apparatus, 19
- Weight of bees, 25
- Weight of hives, 18
- What every bee-keeper should
know, 168, 136
- Wenham, Bees banished, 197
- Wintering bees, 66, 91, 136,
153, 180, 192, 195, 209, 210,
224, 225, 227, 228, 239 [91]
- Wintering bees in the ground,
- Wintering bees in Lang-
stroth hives, 96
- Winter supply of honey, 16
- Wisconsin Bee-keepers' Asso-
ciation, 176

